How to Approach Unit 9 Assignment 1

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How your Assignments are assessed

- Each assignment is made up of Tasks.
- You have Pass Tasks, Merit Tasks and Distinction Tasks.
- You must complete **ALL** pass tasks to achieve a **Pass**.
- You must complete **ALL** merit tasks to achieve a **Merit**.
- You must complete **ALL** distinction tasks to achieve a **Distinction**.

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How your Assignments are assessed

If you do not complete all PASS tasks, you have **NOT PASSED** the Assignment.

If you complete all PASS tasks, but do not complete all MERIT tasks you have **PASSED** the assignment.

If you complete **most** PASS tasks, and **all** MERIT and **all** DISTINCTION tasks, you have **NOT PASSED** the unit.

You will get a single resubmission attempt to improve your mark.

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P1 Tasks - Project definitions

This is where you introduce project management

You explain a project has a start and end

Explain the scope of a project

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P1 Tasks - Project definitions

- Explain that project management is an art form
- People can be good at it or bad at it
- It involves planning, organising and controlling activities
- So the project finishes on time and on budget
- To a standard expected by the client

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P1 Tasks – the project lifecycle

- You must explain the 5 key stages of any project:
- Initiation stage that outlines the justification and requirements.
- Planning stage where you work out how the project will run and be monitored.
- Executing stage identify all resources – human and machine – needed.
- Monitoring stage where you say how the project will be tracked.
- Closing stage where the project is reviewed and handed over to the client.

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P1 Tasks – Project Methodologies

In this unit you will have looked at four methodologies.

For your assignment you need to review **ANY THREE.**

Prince2, RAD, Waterfall and agile

One of these should be the methodology you will be using in assignment 2.

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P1 Tasks – Project Methodologies

Your actual project should be another unit in your course.

It doesn’t have to be, but it really helps if it is.

You **SHOULD** end up project managing a website, program, social media, game, 2D graphic or spreadsheet.

IT IS HIGHLY RECOMMENDED you use either AGILE or RAD as your chosen methodology.

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P1 Tasks – Project Methodologies

- You need to look at an actual project that has used these
- You will need to research a real-world case study
- The project could be real or imaginary, real is better!
- Your teacher may provide you with some examples, or you can research your own
- You will use these as the basis for your assignment

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P1 Tasks – Project Methodologies

- For each of the **THREE** methodologies you have selected
- You must define the main characteristics which include:
- The appropriate project phases and any documentation
- Any roles and processes used in the methodology
- Make sure you use the appropriate terminology
- Identify a range of benefits
- Identify a range of limitations

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P2 Tasks – Project Management Structures

You will need to explain the range of Project Management structures available.

The user requirements including:

Functional requirements including the inputs, outputs and processes.

The nonfunctional requirements including performance and maintainability.

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P2 Tasks – Project Management Structures

Identify job roles and responsibilities including:

Project manager – developing plans, managing stakeholders, communication, individuals, risks, schedules, budgets, conflict and delivery

Systems architect designs the overall hardware and software of the system, defines hardware requirements

Electronics engineer builds any interface between the user and the system

Product owner who is the key stakeholder and identifies key requirements, release schedule, overall project vision

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P2 Tasks – Project Management Structures

Lead developer builds the main systems, mentors junior developers, mediates between managers and development team

Developer writes code and unit tests their own code in isolation

Quality Assurance (QA) Lead lead tester who designs test plans and assigns work to junior testers

QA tester carries out tests against the test plan

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P2 Tasks – Project Management Structures

IT Support Technician logs and resolves user issues, makes sure the hardware is operational

User will check on the product development during deployment, check on the usability of the program, feedback to key stakeholders such as project managers and product owners

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P2 Tasks – Project Management Structures

- QA stands for Quality Assurance
- Making sure the project is built properly and with care and attention
- This is a key and continuous process during development
- Makes sure the project meets standard defined by the product owner/ customer

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P2 Tasks – Project Management Structures

The **Operational Test Environment** is the system where you finally test your project before putting it live.

It is as close as possible to the live environment.

You can check for issues.

Live deployment is the system where you install your program for release.

Any data will be copied from the old system to the new.

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M1 Tasks

- Here you need to compare the characteristics and management structures of the three methodologies
- That have been used in different IT projects
- This is why you need some actual case studies for your comparison
- You need to list the benefits of the methodology for the project
- List the limitations of the methodology for the project and say why this methodology was used

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M1 Tasks

- It is OK to have more limitations than benefits
- If you think that the selected methodology was inappropriate that is fine
- For the merit you simply need to compare the methodologies in DIFFERENT projects
- You cannot apply different methodologies to the SAME project
- You need **THREE DIFFERENT PROJECTS**

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D1 Tasks – Evaluation of Site Performance Factors

An evaluation is when you look at some benefits and limitations and, based on the evidence, come up with a conclusion.

This is based on your Comparison from M1.

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D1 Tasks

- You will evaluate if the methodology played an important role in managing the project
- Look at both the characteristics and the project structures
- If it was not well suited to the project that is fine
- You need to say WHY
- You need to be using keywords like “BECAUSE”, “THEREFORE”, “AND SO”

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D1 Tasks

- Your evaluation needs to cover a comprehensive list of benefits and limitations.
- You will need 5 or 6 of each.
- A judgement will be given that is based on supported evidence.
- You must come up with a conclusion about whether the methodology and structure played an important role in managing the project and say why.
- You also must have a high standard of written language.
- Spelling and grammar will be important as well as correct technical language.

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